



Effects of prazosin in body weight and some hormones (TSH, T3, & T4) in rats (*Rattus norvegicus*)

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Abstract: This study was conducted at the laboratory of department of biology, faculty of science/university of Kufa, 40 male rats that was used. The present study was conducted to investigate the effect of Prazosin hydrochloride on some organs in male rats (*Rattus norvegicus*), after administration of prazosin hydrochloride at three doses (25,50,75)mg/kg b.wt. for eight-weeks, prazosin decreased the body weight from (22.00±3.74 to 10.00±0.45), liver weight from (2.91 ±0.87 to 4.43±0.263), and kidney weight from (1.14 ±0.116 to 1.85±0.040). prazosin increased the thyroid stimulating hormone (TSH) from (0.7910±0.042 to 5.4885±0.066), thyroxine (T4) from (7.3875±0.2264 to 14.4575±0.147), and decreased triiodothyronine(T3) from (3.8275±0.1109 to 0.18153±0.007).

Keyword: alpha blocker, prazosin hydrochloride, Thyroid gland.

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